

# B spark plugs fly

from New York to the Congo

with

## SABENA Belgian Airlines

Modern airliners, cruising at 300 miles an hour, span the trans-Atlantic route from New York to Brussels for SABENA\* Belgian Airlines. The same high-speed airliners fly from Brussels to Leopoldville, capital of the Belgian Congo, and from Leopoldville to Johannesburg in the Union of South Africa. In this long-distance service, \$6\$ Spark Plugs are again demonstrating their well-known dependability. \*\*Saillét Assumus Belge d'Explaination de la Nesignion Airinen.

FOR AIRCRAFT ENGINES. AIRCRAFT SPARK PLUGS

## THE BG CORPORATION

NEW YORK 19, N. Y.

SERVING WORLD AVIATION OVER THIRTY YEARS



Successor to the B 20". Past bombed more place with recephork wary", "02,000 pounds of threat". "19% a new simplese, bombeng bondroid of daugs references which have greatly mentated performers. "Brasses like these left the steep of combined pragates in die similar and beliefer more effective stratifi-

• Zeering objected under the hopeter of #2,000 provide of third, provided by the B for expends used IT MED model under the Booksy At AP through represents one of the sour models development in the Built of Emphasism on which De sour

never making search for a will better circigo, a will better problect.

The development of many designs and one struction improvements in present day securifties been bastened, and an energy sestances, reade (estable, through the use of Orivito Arterish Tolking for a searcy of structural pephrishina. In adoptablely to feating, the accuracy with which it may be machased and fabricated to the most exacting approximations and its inhorast strength without weight characteristics unables

OPTION THE WASHINGTON CHARGE THE WASHINGTON OF THE WASHINGTON OF THE WASHINGTON OF THE WASHINGTON OPTION OPTIO





THE OHIO SEAMLESS TUBE COMPANY

From and Concern Others (MAN) CHIEF

AND SOCIETY (MAN) CHIEF (MAN) CHIEF

AND SOCIETY (MAN) CHIEF (MAN) CHIEF

AND SOCIETY (MAN) CHIEF (MAN) CHIEF (MAN)

AND SOCIETY (MAN) CHIEF (MAN)

AND SOCIETY (MAN)

AND S



## Keeps a plane from wiggling its nose

"TAXING the shamon as of nontribude as a problem that has plaqual. He of suplace suggests place in nor from the face of the place in nor. To much all or, one new during the surplose. Convice outposes, designing the new 30% figured test a way to light new 30% figured test a way to light translated deeps of wheels mercual pullquedworky on the safe, there exdust called the constraints and each charge called fire on sensing sole and

dual retects. With the wheel namang suggester, they remoral, the oppoung pull of one would keep the AVIATION WEEK. Amount 6 1985. other celling testably and smouthly B F. Goodwale engineers solded the pin delicelying, the new wheth They hold (talks, smouth drab. Enginesses the wheels to perside a rigid wearing on the self-fallered them persons.
That is the new mentably thereof consisteable remains becaming and whearing one desired becaming and whearing over changing.
The Commissioner's rese whetherthe Commissioner's rese whether

marked advantages to weight and concerny thereto come time are used at arrand, state or interested. The research which keeps D.F. Goodwaft for its ember version to make Epoig beams, thenge and nake Look for greater descenties or come from the new B.F. Gredenich Research

#### ry, demonstration, description, description





castr. Teday deere is screenly an sees, scory overe is seesely an leaving shielding on at least a past What this meses so you is that

## VIATION

Stdelights 7 New Products 22 Nove Digest B Fauncial 33 Headhan News 11 Sales & Serales 15 Avertien Calender 16 Booring for Booken 27 Infestry Observer 16 Trustant 36

Projection 17 Editorial 50 

Berley E. Bett. Sen time Kudarma Johnson Gregoria William Kenger, Statement Visit Adens Stand States Alexandra McSopoly ..... Spine Schmitte Aging Route ......... Spined Andrew Choice L. Adens. Tomort Time Morpey, Timperman Street Access Edward McLoner Court Court Street March Scholar Scott in tente Secretary Establish and Editorial Officer, 155 W. 454 St. Nov. York, 15 N. Y. Phone Lorentz SPH: Namual Pour Hile Weddester & B. C. Phone Nederland Self.

Rosenie New Person, Johns A. Shehn-Brever I-He ; Giong H. 529 N. Weltura Avr.; Gendell S. Henn Hei, New Dr. R. Persona High Lan Anglei H. 521 S. Shee Sa San Persona. A 52 Part St. Hennon, Mr. Spath S. Cerrapanderi Shoon, Radhi, Dilla Degran, Derma Dellargolia, Johnson-Ga, Kaisen Gr, Kowerlin, Langu, Learette, Mespha, Mona, Andrewich, Kaisen Gr, Kowerlin, Langu, Learette, Mespha, Mona, Johnson-Go, Chenn, Gillander Gra, Quine, Philadelphi, Neman, Pal-santa, New York, Chenn, Shirthan Gra, Quine, Philadelphi, Neman, Pal-Foreign News Burney: Landon Foris Borlin, Manney, Taken, Number Mel.

Senter N. Keene, Surfeed S. Parker, William F. Rades, Robert P. Dille.

Rabot F. Otton

Johnson, Stateste Nonger; R. W. Hartle, Jr., Sales Nonger; John Representation: I. C. Andrew, New York: M. J. Saren, Published Str., E. K. Strongs, Chemicald L. J. Hart, Chicago, W. G. Adheson, Advance J. W. Ottor

AVIATION WITH Asset 2 1965











RCA "21" Automotic Direction Finder Wright, solv 50 popular - matelled Pee high signal servatives . . . for



This has breaken belo



AVIATION SECTION DADIO CORPORATION of AMERICA ENGINEERING PRODUCTS DEPARTMENT, CAMBEN, N.J. in Casada: BCA VICTOR Company Limited, Mastrael

ANTANTON WHEN Assess & TORR

## NEWS SIDELIGHTS

#### Reference Control

#### to the North middle should stood .

hard preved to suspe up the additional effect and the student subfinence to

Martin Uran Castian

dyrur CDP Ben Cod Higher and

#### the wantdety our industry ownerly. Washinston Chaff

Lego Dorfold, chief of Noval Worder of Supported Links the new lecoheren wh sa for screen in printing and intercement

meets Reter at the Alway and

## Ton Secret Report

The Stundard study also included an Description Time

Signing of a U. S. Bradley agree-ment to and U. S. Air Form officers by less namilies a couler appellment de

#### You Veterrer' Administration offi-

ents wroter field turner, ney be eviction industry or of the country for flight flishing by regions country. Futhermore, it mather tents muce the Intr I developed

AVIATION WITH Asset 9 1948



CP-199 EA Personalis Stration Dunaine Medica...

and advertable current run powerer device feadesire with Course Properties, according control of processes between develope the This reproved, electrically controlled Declares to the or trees (00) and excess accurate artifice of depoles.

for every aviation job

There's exectly the tool yes need for my nonduction into its Chartest Parameter Tool Com-Destrie and Physole Dector tools: . Brotters. Bircting Download Machines, Drifts, Invanct



CROWN THROND IN CO.

#### NEWS DIGEST

See Clas Today Char 15 1 h. 8 Court of Assesse has sucheda CAS decrates of last December or with taken blacking University, Belli-

Movement Chronical Co. and the do-

Cleoched Gushite Benne Co. v.

PORESCN Air Power grounded its strength

period on a Fight how. Mertinions French West Indian, to Post Ebenne. 10 Australian Air Fosce C-47s with

AVIATION WITH Asset 9 1948



The quality workenseship and reliable thy associated with the name "Kohler" centance of Kohler precision ports by bears the Army-Nevy "rellow dot" proof that it has record the official tests required for qualification under combat conditions. All Victors rates and fittings for sureroll are made under the "opposyed"

Prompt service is asspred by the fact num or white metal, sand-casture, former, prochagger plotter and avordenter The Kohler line includes musy types and sizes of posicision roots. Where special requirements exist. Kohler enclosers will nulcome the appartualty to develop volves or fitting specifically designed to recet there. Watches conflitte to a 25 more. old tradition Send for copy of Catalog K.

#### KOHLER OF KOHLER PLUMBING STYTUPES . MEATING COMPRISH . ELECTRIC PLANTS

AVIATION WEEK, Asset 9, 1969

## Two Boards to Direct Renegotiation Act

Five-man teams of USAF and Navy will property technic sombilion rooms he subject to review by three-man board. Petron for administrator of the Reas - second of the Pederal bar counts.

a board but it well be at little concern books and records at any contractor to the nucreft adjusts. Penemual for subject to the net. The based will suband down on the section of the section \*Advisory Gagge-As the Research

R Royal Policy - Controlly - medius to apply to the present comments to apply to the parter commence Is determine that portion of

that Barmon), the New York Kee are resused for all contracts oner to



New york of the Martin XE-61 shows the six or bonder in televil from Marin Armon, Baltimore, Mr., on the deburer Birds to the As Finne. With first place trees completed by Martin Irrit pilets, cerb is now at Weight Peterson Field, Obso, for the crossed places.

final exam

in the Innitual "cabool of hand knocks"



Every amele langual sexualt house vimastic cost to fivine the cold world it's a tough course; 67 of the seas are listed on the above form: 15 of these are executional done on baseline where the fermion was white one are Mitardest and realist conditions that come mighty close to and in most cases exceed senal mention continues . It is see wonder than that Consethusors, Madeb 049, 649, and 749--- F1F, F9C9--- P-11 -TBM-SBIC-A 26-C-66 CA6 C-26 and may recently on the C-119 Pucket. Any wonder Janetol engineering repreambitron are recealed to frequently on standard and special

AVIATION WEEK, Asset 9, 7945

AVIATION WEEK, Aurust 9, 1948.

#### Piston Engine Boosted to 4000 Hn.

Both Wright and Pract & Whitney producing new-type according requising startling loss feel consumption. carne, evolved through a prattic with

is hunted quantity promotion of World Accountied Corp. and Prof. & Whiteen Accepts Corp. and Print. such as chooses existing construction the Bornay 3-00C powered by fine the force of unoverfield best Part & Wintson & 6-150 VDF on Afficient note a real or chinery at rolling miles and markets comes developmen \$1000 has for talentil To become within the contractor's

a contractor's pract, and species copusretire or mustingness of tools, day, Finded Box - The military in-

Sonic Review Chinese Spenend Two many Chemese Airlines, Cen.

A new fation for the endocration, other instillation including Montage (Wight 14), and Narth American b Robbin Engra-Communities a con-

> press. A six carries country of the approximater back rate the engine

would be utilized to "dow" the re-\*Fac Propris-Dates the um, for development of the stendard Allicon hand-coaled down. This uniticales

Non-development reports events, the behavior and ballout status

compound engine is about 0.40 th. our speed make the goods down to engine continue to their compromise is speed, before solet temperature beld sounded to efficient endorsees high-efficiency destang developed.

within he has the deceme of min

openite at considerable legion BMIP

crites in costle. Above the 1500 male CAR D. .....

In Favor of C&S Cheeses & Southern Ast Logic has the

realisated its deciman of his Senter-

to the Southeast or Debta noters



gine scring in a conspressor and crus- a consumous eigent vision racines. In the Southerst of

FIRST TURBOUT AIRLINER AT END OF RECORD PLIGHT British Name account Village transport promped beautiful the 20 table due to the costs was 15 min. The Village bath at Leader street after its fight to letter in 34 min. 7 are customed and in menufactured by Vickerstanding and then it tooms my in the same is seen in to man, ) an extreme and a presentative in



## USAF Flexes Muscle at Idlewild

Experition aroming world's largest civil almost is dominated by military, with few industry exhibits. rife. The circl motif thereshoet the folial as the waster, except as that began with the deduction by Hildad, detains grown of the laterelated to the latter conveyons be piners, laded with sombation of Al WAR These Planting The man fight a suffice to set the subten and cond b Clerk Side Subdeed - The laterals or childre to menter a remoder comm-

to be principled by released suffices Alabama Michaela and Trees over

Annual to See own of 1982, and Nevr blow-The Art Face plane and decree of the property of the the difference on factors between Am Co. Allico divines of Green! Mo-Scingly Marnety Spinors of South

AVIATION WEEK, Assess 9, 1945

Aeronautical Board Duties to Munitions Proposed functions of the boat PIAM Administrative Following the

until by Mrs Con Other F. Echels,

This committee will come the felside street labers and making cock-

#### Early Settlement Hones Fade for National Stelle NAL Prendent G. T. Bakes, on a let-

Let Engine Sales Operied in Commons LONDON-Showerst of 14 st ca

Robert Labor Act and had called as

\*Offer to Poleta. The NAL recordent

there signed in August, 1945, nor scarce supplied by column to cape tal between an exemplate Communication

offered to or resident the former union



PARTIES INLEY FIRE TESTED Feet plots of expressed Ladderd sensor present characteristics. Wide

find no soleta chevy normers and smallelly with the network confidence whilese at

of statilization over production receives the loca of the salest a reproduct to achieve

#### INDUSTRY ORSERVER

A Resident communication of the Communication of th county former of the new cult uses both turboart and speculic money and is designed for operation about the new 6,000-ten correct it is a shoulden-way exception and will be optoped with advanced auti-subscripe water distribute consument it is not much lower than the

Markey VEV) temper all wreter fabre for here tracked under \*Cobillion Bron. of Lon Anardro, makers of GCA and search such and

P-Goldlen Ben. of Lee Angeles, makers of GCA and search index, are developing a new type of ragar for nex so theoting supert ground todio-desity and the search of the se pletely all weather are operation.

are those exercised in the notify of engroused and recognic from the ► Port of New York Authority also for recognition of Tetrobuse Air Terestal from First Webson, persons cover, is at a standard. Negotiations

are still reserves, but no definite conclusion is expected within the month. Mercualife Teterbon is interested in moone Stell terrors from Normal Almost to sts site. Previously, Webms had offered East Slick, prepdept of the fraght cames, the opportunity to purchase Transcent for

WAL's demonstration of San Distriction by Worker AV Land. to which Westers doubling will adhere, at altitudes up to 16,890 ft. countred motor, which was replaced in 15 even after delivery of new reador. Wood to Ellinois en- up which a leading designer

Author of more becks on agreen de

AVIATION CALENDAR

Africa fatter Come principle married Technique

of Applied Machinery invested the big of federar and Techniques court Kenting-ton, Louding Statum! store and Ha-ring, Polit-Office Invest store and Ha-ring, Portscripped, Statum! Stat. 8-6AVA report countries. Francis. 1981 18-6AVA report countries. Statum. Sept. 18-17—National Statement Conference Interpretate Society of America, Granus and Fig. 19th Column 201. Concentrate Fig. 19th Column 201. Concentrate Fig. 201. Concentrate

Only 5- Orthon Amendetra of Shale Artens (Shale Course Finds, Ender Course Finds, Ender the Rational State S Oct. 14 - Armert AV Elec Topulsham An

State of the Control of Administra East State St

Acres Spread moving, Africa Brist Chromatill Merry of the Control of t

#### ENGINEERING & PRODUCTION



#### Reports Indicate Industry Upswing Value of civilian airfrance deliveries in May shows great rain ever April as transport shirosepts than

Transacts the Difference-The baset By William Kenner Who meet estable covered works too

addited Valter's Concestinged. The The Ceases figures report that at the of Face 30 Carragey backles in-

a Mileton School The propriet to Man The improvem is saving that on the

1043. This was don charle to leave

uccopal plane pales-\$12,578.517-sha

Commerce has reported that face rafitary payments, as two monalio-tanes, Bassag and Crammon, noted that become of line-term montants to surences

This sales total for the first counts

cost at all saillands that willbare use. tin rates for the air months ending

#### PRITTING PROPRIETION NEWS

M. E. Cardelli, Co. but developed a new tree below some of york which has for healest sents, tar down strong and letter healers, and an enchange and wall \* Years Exchanges and Manufacturing Co. has moved a contact for the other

P.Lot. Anabox. Sec. of several completion of its set plant toward ender an Arconditions, parameter,

a Completed Value Arrest Core delered for Constituent in the well P.Trom Products, Inc., Los Agrelia, his solvered McCook, Ill., as pin of its new

P. Edu Clean, Callery Pourt, N. Y., but shipped 30 sets of model 2008 floats to the Acceptant government for kestallation on Page Super Craiser would. The

Strike Report Ryan workers back:

Boring biring slows and up said bolders. The mrs were and six paid fielders. The new agree. Suchs Morars plant new continuous

Te se attempt to continue module . Becar Std Out-Eat up at Scottle. non, Ryon hard nonzering society day the administ is defenced. The recomBarrer had been recording with a

USAF Orders 41 C-W Flight Simulators Controllifortal designer field navidate and one by Thindow and

As his livery production order by nich (Anaron Wass, Mer 20)

\*Truth the Cost - Curtin Wright

Westinghouse Scores



\*OPERATING AN AUSTORY posts on the corts that erroy the Essa brand, "





AVIATION WEEK, Asset 9, 1985

Inharmiories over 2000 research of circurts from Maine to Toxas.

## Size Range-small to smaller!



#### 28 yells from a 400-crale 120-yell rever source

We call then our "utility" line a group of sature many requirements for ancientance parities and a wide return of sizes from small a capacity of 381 volt-property, measures 35¢ is high and weight 45¢ pounds. The use The complete has variates cleves ratings and with its one-and-out imbedded in an

streagth and efficient tracelor of heat. All and accidental short carrells. Even though This is only one of its major from of Genfor successit. When you need special create, we Bulletin GEA-1000 Assertes Dest General

## GENERAL SELECTRIC



AVIATION WEEK Asset 5, 1945

#### Control anothers of Batter Code makes assumed by Dar moted colours or or Other house on a Marife bid hard a mo-Control sendantly of potentials traces: consequenced. The senses occurs a se come are now man and control to the control and the first in our market is undertoned and market and the control Rigid-Blade Helicopter Undergoing Tests

Rotor-Craft Corp.'s design based on novel principles, including swashplates at bottom of driving shafts.

releas of expension of arms extended P Droga Undertaken-Chor commit certain and up from facility (Ama-



total cost assessment to only \$1600.



Place has done one once conducte country from control parties present Market - - older via formed such his collective ratch chance. Notes Month decorately according of near ter study he demand

from the blade may firewark a ded to Symbolis Chings—Nigd1 stricks les blades so that the soon over of each The second or of high seconds & Blade Systems He can that the above Mapill was bound, with his rigid retor-

100 the way run had been shoulders.

to the control parable, and in ea-

WANT TO FEEL LIKE THIS?



SHERWIN-WILLIAMS AIRCRAFT FINISHES







Hora Superir per relea



For complete specifications and anguerancy date, record stw Catalog. No. of the last of

GENERAL CONTROLS -judicions of Automatic Pressure Temporature & Alex Cantrain IN O'RINGHAS IS, NOUTTON ON EARLAS CIT IS NEW YORK OF THE LABOUR.



P Spece, Standard Parts-Present False

contrar assemble, is a strateful Find

AVIATION WEEK, Asset 9, 1948.

A light "minteresh out" count

WESTERVILLE, CHO

Markett Advisory Ward, he is now and the course and make he

#### McDonnell Names Helicopter Officials





. ........



ENGINEERING-PRODUCTION

to 1986 P.S.s. for certal of field presupe approach of box relinber

#### Automatic Text and STREET Wanted: Better Aircraft Systems From filtering iet engine fuel...

to deaning

## Structural state was able to full while 0000 of Bishe Adam to second an arrange and a comment and the

The names, should by the next Billionius Holy Controls Cond-

compressed air...

put your filter job up to Air-Maxe!

ARR-MAZE The Eilter Engineers

the detail stems. The prostage, table ▶ Structure, Flight Centrals Good— manu requirements and specify resum-tionally at a special YWA survey of white consistent hereacters for restorate to addition to decide attenueses If it resource to espect superior

month, but written consequently are flashy delay beares first cost and or

AVEATION WIEK, Januar 9, 2949

want and professed a fee Assault III first with a "cooking" depleating the esteri mobel This mine on their

behavior and frame for moreover or

entire we should only condition of Inface of the various companeyte.

Fands (compile\* Enricial Committees are processed high to reade (1905; (digitate)), does not dray one recent on the diffusion opposition of the compile of the compile of the compile of the opposition of the compile of the compile of the compile of the processed of the compile of the compile of the compile of the processed of the compile of the compi house manuscasses our and lotter performance a Mahkon proof, Bensure-tiple a Radio Mater a Single-pinn head a Videntian proof a Light Weight a Righ Ass Bestellenan a

Sender Scientist Electrical Computers are processed bade





RENDLY, SCINTILLA

## TRIED & PROVEN

The Connectioners in flows in work of them non-map system massisted. In

## LOCKHEED AIRCRAFT

a is a necessary for the nation to stock world have over sale about \$25. named assessmently, or or or one one are a along person of a part A sodern tour-engine britisper c Analyse the system down a ---leave and necessitive of superior all

The completely published modes further the solver and the course each taking a slightly different loose-

To date, accounted and overstoon be desired and declared by tests and

effective setups in neclary a solution

Chast Approved

\$500 lb. though that in the first state in and deleter 5600 to 11 will power that



AVIATION WEEK, Assess 5, 1965



DRY CHEMICAL MORE FIRE-STOPPING POWER . . . FOR EVERY DOLLAR INVESTED

of companies size. In addition ... Asset Fire Engineerathers records

. For bosonic tempting generates and other flow-



Research Expansion

New Plexielas II Resists Higher Heat

sace in manufe merculy bloden and Sales and Harr Co. Philadelphia Most supported absorptions of transcritures 15 dec. F. higher than

Bernala formina energiana um unal

regard frompts at robotics, treding

The new Plenster has a tensity street of 9000 pg , compared with to 76 decree C. for results Phrysles

AVEATION WITH, during 2, 1950

Elva Mone Officiale Onlt at Convole

Change is too absentative no council at Constituted Volter Asreport of Consended Voltes No.

Water D. W. Printer of the

Total displays, re-morth that appropri-tion considers are evidently to the co-WHAT IS

lesigns Inday radiorian tomorrow

Appendix and disposed

THOMAS A PRISON INCOMENSANT

Darmaneter Balbe av

Better Day AN Succ

Educa AN Visconspace Bulls are now



#### NEW AVIATION PRODUCTS

Welder Tip Builder

and action by a owner or respect



For Acoustic Problems



1017, Petabugh 30, Pa Unit has 1017, Petabugh 30, Pa Unit has 1019 and, 12 0 lone for hash wa-



Cleans Welding Tips

Consessed Ashers Beers

Radio Noise Suppression Armens Corp., New Bedland Alexto some producing applicate, lines of mal is turned through worse of delice-



Applicable to production advers of

Buston Hoston

New 20 110 building scoward counce,

#### FINANCIAL

Tweets Autimote Assistion Chance Conflicting rains and losses indicate difficulties in foresteen profitable industry insustment trends

two hildren dware the first to her front adjustments are majoral on the named of Manager Assessed Comp., a trust completely devoted to A self-drawn sylvasian at 1 and . According Address Contract - According

15000 (2000 American Addison Coll. Barris 50 1 Table Com-18 1-5 100 Fabrid Com-trovic Pringfold Eastle 4 for Frances, 184 (b) Chr Frances, 184 (b) Chr brone or Chap their lines towards the control of th Austral, 2000 Server and PERS District Perry Department Avenue 1500 (R. School Control Control State 1500 (R. School Control Control

No Peters-II is difficult to detect

\* Lane Hidder-The TraCoutments!

\*Lauredenines Listed-Legardetines in



for Fast-Factory Finish Grinding on Valves and Seats

SIOUX Valva Sant Grinder

web Ball Bearing Holder





GRINDING MACHINE Marc Dollar Value

Than Ever Before

Sold and through authorized SIGUX Distributors



AVIATION WEEK, August 6, 1941

## SALES & SERVICE

#### New Air Taxi Service Organized Fixed have operators set up feederline network to link small communities with large air terminals.

By Alexander McSurch of the 412 mountain who have record weight or more, or more than beer

la address to provident a feeder

while he is ridge in the pictory

BALLY BATE, SERVIN AN INCOME. selling was rough up by boles Convergence, transport, Belterging Series of the color in

record Section 2021 of the CMFs Morr Directories-Progres forces had closed for the first directors but

smale. Mencil his prepared a subber sharp with a statement about the content ADC he Visa Server in a

Ry: Miy Two Children One PART PRODUCE AND SCHOOLS, IN PARTY BY Extrane securities of the similar

that a doctor's perception of McKru-# Standards of service including trans. I make a province of the second

CAA Reports

On Civil Almount

Number of evel secosit on the United

private point conflictes in May, 1948, against 9776 in May, 1947

At the same California because Trade: Assessment species. Harbard

brand without each a samelementary an attitue. Therewas and "One will

Bonance Solle Autor Circl march contrabos for May to Obselo Motor Co. Obselo: Kess. The sel and non-cett concerts is shound a marked decrease by Mar-

WHITAKER'S TANDOM WHITEES

vender a make and in other leading or fields. Two wheels of the cores now one hashes or conventional hardens with mounted on each of the main hadron over bodge bodget without bendeuer to more hos, with a binne ortughnout to the urish own; not herbrar at modify and ployed togs, with a longer obselessed to the origin over, and naturgs on anothly and proved, and other. Bester are on our wheels fields and remembed landour or which the Whether has been first tories the derive show over into a wife turn other flow

craft (July 1) ...... 1023 by children and they fother in his Miles on McKinner, the father said that the children were both detaileds

Chil About he States Aldreng ...

Civil Aircraft Tally

Almosts recorded with CAA

Class I and under

440

Col America

1665

rucessee .... Trees. Airport Aid Urend Disks ..... and reproduce by Pederal sid to sir West Various

Federal Airport C---- T-4-1 200

Fifty-eight logal appraise under the 13-yely 15, bringing the everall number of guids to 359 supports for a total of \$45,520 dds. Taxant sports arent during the fine

100 percent completed against 15 the personnest of Class I named a \$5 for Other how much donne the owner

could reduce Roberto (N. Y.) Ass. Trade Corne Officer Rebert 5 Northmeter vice name dust of Findment Assistant Inc. Who

The all-day prices unladed a do-

Congress was perguard by the

prior for the indexe cornection, will use an Al-he Confinental TRAINING DECLINE REPLECTED-A total of 14,000 majors

from 76% and markement minings, to 146 from 197. Only recesses was

OHIO PARAME PROGRAM-OND Assertion of Phile Passes pareties recease at Colombia desired a transcent program colling for the find in to be derived from relation resultant to, and the process the fand in its be dorred home relation guidant to, and the program right for a livewise for simpler to that for some Second to be substituted TAYLORCHAPT DELIVERY PLACEFUL W. (Dec) Debut

RRIFFING FOR DEALERS & DISTRIBUTORS

The ampirers was made amost amountously with the presentation of Eteroid August of a CAA-approved type certificate for the forge Gondour constraint wheel installation on a Donelas DC-L. The certifi-Goodstee Alexade Core. Sport H. Limit Child, redistrat to the CAS Character and an expensed by miner of \$140 for factor but \$150 per the coveraged over on now all places or \$170 for elementary in the

the Contract of the Contract o wheel links. Conductor interpretes that other highly-line manufacturers will now amount a workload evaluation of contents wheels in contents according on their planes VETERANT APPROAVITS-New Source Assatuse Toules Assatuses Veterson' Administration from taking fluts increase. NIATA officials things that "continual padance" experts at VA are strong would be

providence of the transparence of the country of the country and the country of the transparence of the country THE AVE COORNELS STATES OUT A PUBL. Name on Poto, faces Delege, reclears at the atmost is correlated a bidden

Airport on Labor Du

led, smed

entry for the Goodyens troply made at plane most at Cleveland Montelool Amort on Liber Day week and Plane will have a 150 years too wire Dickora group to not sharper rates turns such the bishes then be-

mescobine resuperfilten, and his calculations show the please abould do menosphere competition, and his calcumnons more the paraci anounce on between 175 meh. and 200 mph. After ranning too tests at Dahio About cafe in Agent, he will make her first finds tests at Webmond. McCatalor Proseller Corp., also of Darton, in desirable a special way Michigan Philippens very and or service in occipant, a gaves pro-

g both to Vanctover Second Model 55 was taken by C. W. Mallard of Tourney Chatters

in business and marrier for 42 hr, and in record become

## AIR TRANSPORT

## Plane Development Bill Fought

Manufacturers, feating extensive demans to sales hones for present transport types, suck to amend or delay measure.

COMPARISON BY AND COMPARISON OF AMERICA MADE SON ES FOR THE AMERICAN MOSE AND RIM



For Apprison Assess, which is fiching, while the community course and fine bounded asserting quarte describes and 5000 per true. PAVs for then Chill Assessment's Stood this shoot to office overhooses are read between \$2750 and Chill Assessments Board this cloud to after mechanics are paid between \$1700 and tade the lower south of the français Bus. \$5000, while number presented supplement has comparable Country and different to finish and Data's others resulted to coulds. Mades for place for PAA se- can fine conjunct comparable to those real.

arkines of existing types of arcosts' as a province of the MR, making it send

and producestop or protestype transport on I make absently and facilitate the one-

give the U S jet transport types," Franctz McCube, a Consolidated di-sector communical, "Wy have reled P. MA. From Sporthastics - Reporter

Secrets opposition was led by Chier-

P Descriptional States the mesons

the Purific Northwest and Blowns than nor other anothers. The appears

Pioneer Reports Profit The first confidenced II & six cor need Margary space mathebale would not

## Hawaiian Service Goes to NWA

Insurance of Subine Pacific Northwest to Hausii in And the factor in CAR would of one mosts House has attended now recommended. The Owners. The world that of the limit

tolers or conception with Relati

U. S. via Honolele

F. Chase Davidena Solution of North a night fee ta-one CAR details which posterly from humans and onto inteand DAA coules between Coldinary rosts. Other receptedal applicant rints. Other oreastestal applicants www. Mister Neverton Co. and

## Fast-West Nonskeds Talk Back

Three principal lines say they cannot operate if years brity of flights is limited too stringently by CAB Then of the extend becomes more fluctual 1995 and Million needed nonerhedeled awares that are cultists they would contain the next All these compular operation plants

travel agents from 23 to 34 piecest the consistent without have consisted Straded told CAR it is spenting

Summer Profite Airlines basin sesson unturn but averall loss

for year still likely Prof. Trium-Straded and that on had not been a soluble. Talemorally operating profit was let below the \$2,001.567 income contribut in Mar.

P. Time One Difference-boston 19 hr evernges agained 20 hr. As asheduled. Mor Errabu. Flores of the 15 downs. tic templifying were in the black down

American V 5411 154 mounture could

both a tenferous and a soult stend the DC 6 recording TWA days off

No Doll Journey

or paternecking on otherwise dull

#### Airlines Dispute Mail Rates

Carriers blame CAB for misconcention of industry's

terms has street Nurthurst Arbura manager males were 199,011,011. passenger under were 199,011,011, ognast 523,190,689 s year no Mail

\* NWA Peofe Desible - Northwest's Ending Harrier had sombed "locar The the first first months of they save

all be Carl William D. Woon their also they were first you'd together, MCA

shap control believes that use and

DELUXE

COMPLETELY ALL METAL Powlart! The 2-place partional place second to see for infant flains!

Seats of form robbin with form 616ng becks . . Cebis area core Operable windows and

Aurunul Unhabitering of area simpling Uphalutering of grey pindrips Portage in restaling broars with lestromeets . . . Convenient ash Christia plated glove somperforests

Utwast Utility! Coundably distretal . . . Lowest majetanance cart . . . Grahi'an 118 mak and 850 ft min rate of 500 rules . . . Wing fasts parry 25 gd. fuel ... Short field specation.

FOR DITAGE · .....

\*\*\*\*\*\* 077 \_\_\_\_\_\_ 2047 \_\_ 21149 \*\*\*\*\*\*\*

tes emails out the net to \$1,200,200

## The data you want for new projects

to Committeed AND Mr. CARRESTON

\$6 \$17% progite for completely ordered out of taking of stated data - complete taking of designed surjection of motor data \* complete littles of disselled saladies assumbnelly placed on and pages \* 107 pp., Files 1. 193 for The feet describes relations whereast

The week you want a a

from trade dural proceedings

C About feeting C) Flatti beties

Mail Pay May Pull PAA AOA out of Red

The facure rates had been solding

Mid-Continent Wine

and describe the first from specific of

\$1740 Dealers & ACA and mind for

- come conducted AUA and mired like

cents a place rule for the yound shirt

TOP QUALITY AIRCRAFT BARTS ten innterest eccures

WE CARRY A LARGE STOCK OF: . HYDRAULIC AND AN FITTINGS CLAMPS, BOLTS, NUTS AND SCREWS
 AMCRACT AND ENGINE ACCESSORIES PEATT AND WHITNEY PARTS

DISTRIBUTORS FOR: LOED AMCRAFT AND INDUSTRIAL VILLATION MODILITY & WEST PROPERTY AND

LTON COMPANY AND

AVEATION WHICH James 2, 2846

the percent has been approximately a

& December Baker Phinasthesis Laura

More Fares Up er dellers HAI mich a American Auditors officials working fore rise due Sent. 1

be or six you take the elicities at hell

the teeffe is in DVI-6s on Which rates officiency ACTUATOR -

Air Careo Bescarch state of Coldenia a non-sent on

notar Man office an in San Fran-

 Change have Locate to 1900 Presents Shake Connects may \$5000 Pounds

IS SEATISMENT ITEMS

JAMES F ADAMS & CO.

34.17 Laurence Done, Florida, S. S. M. Y. Cobb Address AMANGEDICE Assets for Fresh Anthreas Ariefies (Cosedo) Ltd., Bernd Alburt, Mostreel, Capado and Nask Ambers Ameter, S A. Freeme City, S. F.

#### · CHECK LIST of heleful MeCRAW-RILL Books

P. Charina & Santheren CAR has alread Associated and PATRICULAR COMMISSION SERVICE PROPERTY.

Mid-Configurat-Scoots and confi State Want, E. am. Print, 12

country 1965 and 186 opened about

SHOPTLINES

compliant, CAS has subjected in as-LAA DOWN And the Andrew secretaries to

SUPERCHARGES THE INTERNAL A Real Buy!

PLUTS AUCHANICS OF TERRORA

PART THUS COURSE

Good as New! 4 Place 410 Lb. Perdusé

\$60,000 TOTAL TIME, 335 HOURS ..... . ...... .. TIT Market Acc. No. Ton 15 M. V. a street AND improvide occupy to

a Phillippine Six Figure Programs traffic

Propertyle coroller HS examend

TWA-His second the last of de

from the II S to the Opent during

- Wilcondo Control Founds to dom Senare was recommended to Land

## CAB SCHEDULE

Ot of if )
Aug 16 - Fredericing madernances CAU's
resignified of IATA narrowests. (Bestel

THE PART OF STREET OF TACK, S.A. and the liberty of Analysis Control and Villa (Double 2011 et al) Ont. 20 - Phonesy in U. S. Atsaha servine can (Double 1801 et al)

Interestinal Newsonth A. U. Schause



- SPANCHLIGHT SECTION -

ENCOMPERING SALES

REPRESENTATIVE

Mirs. & Distributors of Asiation & Communical Studiesco.

## AIRCRAFT ENGINEERS

MCDOMBELL AIRCRAFT CORRORATION

ENGLESS LAND THE PLANE OF THE PARTY OF THE P print aggregal factor and majors of print and 

AVIATION WEEK, Asset 9, 2045

N. W. 1879, Account Work or w.

THE PARTY AND ADDRESS OF THE PARTY ADDRES

AFRITTY NAMICISTS THERMOTONIAMICISTS STREES AND VOTE

AIRCRAFT DESIGNERS

NORTH AMERICAN AVAILABLE INC. Manhorst Assess Les Angeles 45, Cultivale

PRODUCTION OF THE PARTY OF THE

SIKORSKY

### IN SEARCHLIGHT SECTION IN

Reacheraft Dietributors and Cartified Service Bandly and ARC Radio Sales and Service The Best Samles Clarest to New York



ATLANTIC AVIATION CORPORATION

Priend 35% off Covt. Cost 2 11 02 1116 77 PLACE LIPEWSCH PARCH LINES

FOR SALE AMERICAN AIRI INISE INC

TITTETOTO ALL TELLEPLA

· Dueslas DC-3 Almione Perts. Accessores and Ground Ecolo - Middle C 165 STRONG Freder . PAW B.1830.42 Engine Perty Accession and Composetts. . ....

· Donales DC-4 Airolese Ports. and Accessories. . PAW 8-2000-13 Earline Ports. Accession and Components (memy of which on later-changestic with E-2000-7-9-11

termeterine con constitute for to the transporter are anothered for printing at our worshouses at Astrono-Elew York Tube, Obligation and Worth Teams and abstract FOR DETERMINENTAL OF STORES AT

THE SPECIALISE TWIN ENGINE SESCRESAFTS A WARD NICLARY PART

Less These 2000 Hears All Frame Time C-47 CONVERTED DELINYE ADDINED

C-47A CARGO PLANE

J. P. RIDDLE COMPANY 100 Athendry Chris Cord Sobles, Fin PERSONAL PROPERTY.

TON E. HEYLAMB AVIATION WEEK

RAY HIGGINS, Chief Admit SHE OU COMPANY 1000 Weller Dr. Polite & Pa. SCHOOLS.

If you don't can

Condition Adventions States

ANIATION WITH James 6, 1849.

SEARCHLIGHT SECTION 60

## WHEN IS AN ENGINE worth \$1795?

You may pay any price for an engine. The only time when it is worth its price is when it delivers and continues to deliver. pay-loads through the air-the only realistic determination of value upon which an engine may

be considered well purchased.



The Stoward-Davie 140 Hour Warranced R 1530 92 Concession #2795 La.b. Los Angeles

## STEWARD DAVIS

AVIATION WEEK, Asset 9, 2500

## Sensenich the Prop that gives you more POWER, more PLEASURE



IT the's more considerate that pur largest manufacturer of road namely po-

ern of know that a MENNENCH PRO- Lock for the function SENSENCH record





AVIATION WEEK, August 9, 2840

#### ADVERTISERS IN THIS ISSUE AVIATION WHEE ADDRESS O THE

Althoras Agentumpa Corp. Grand Cogney Co. Agreery, The Michael Co. Agency C M. Budyel Co Clatter Perture Cops Agency Chalco Divide Co Kipen Mig Co. Assess State & Bernary, Inc.

Reeds About Care Enthand Agurati Corp. Agency of Marine Thompson Co.

Britanilla Magnete Dar of Branks Armente Corp.

Agency—Marineza, John S. Adens, Lov.

Kelter Co. Fanny Rode, William & Cory, So.

Season Conventor by Stations Absorbs Co.

Agency Wilking Longton, Wilson & Assorbson

specialized precision product

L. WILCO DECEMBERATES (Thermosters Birectols) All temperature course deflection rates and 1. WHERE PROCEEDING COMPANYS IN ADDRESS OF THE PARTY NAMED IN CO.

ASSESSMENT Will and other debuggets of mosts and make a Ward of Process metal thad strip, been metal glad sirin. invisted Wite about on steel connect more and move other combinations Railed Gold Plate and

Geld Filled Wire. A MILES SPECIAL MINERS With Michigan CT has a -50" to 41,50" f. Write Special Alloys include loss Whatever your requirements for Wilco Penducks. Wifes assessed and nineth halo non most from

#### EDITORIAL

#### An Industry Loses its Vision

cripted (in visit by satisfact, deposite about of that the endosted, satisfactable passing companies entity of contracation and could be a reparation on requirements. In the could could be that the two law before regide errors resided.

When the Cord Assessmelto dat was waited by 17%, as not cleaned that anyther or seasohable promajes or expe while from by others than emilitarial uniform world our amount to existing. The shipper was weetly experied in the Are. In 15% it was remedial that the expert half termination per salad that because The sort, was the first group handless that and that has more than the could be the group handless.

See the second of the second o

and he is even willing to in the code processor area at the same team on the price are allow in add to get the Nicolaus. There is primitly leaded to get the Allousian There is primitly was a saught sumplied transmission of since the control to compare to make the control to compare to make the control to compare to the transmission of the price and the higher and make which records price and the price for the price and the transmission of the price of the transmission of the control to the price of the price and the price of the field for the feet of the control to the control to the field of the control to the field of the feet of the field of th

this could the good stretching point get any states retreet the Six we have 3 to both small be associated billed it is subsidied. CIG CIG meant reads the both dreises in the public intend, the count consequent solution of the lot request, not the other body. Let a billed as to ignore the lot did that a requirement, and the lot of greater. The lot of We not beginning to see a growing measurant of and potable with the lot of the lot of the lot of the lot of the We not beginning to see a growing measurant which gives the body with the describes of the lot of the We not beginning to see a growing measurant which gives the solid with the describes of the lot of the work has been as the lot of the l

only with the description plains of computation values glass: Deproject the oast for these reasons. The attempted modest the grades up the days of neutrons g by Jav Modell to core. Take the CAS, the industry as take plain time. It is not get tag down to have such. It blence compare but find for ris processors of hardcopy and dependence on the provenous format of fidding a visit against computation with the basing at the latest and expresses which the shade of the basing of the latest and contract which the shade of the latest and the It densely be of the contract of the contract of the It densely be of the contract of the contract of the contract of the It densely be of the contract of the contract of the contract of the It densely be of the contract of the contract of the contract of the contract of the It densely the contract of t

jet comb troom promagns sha ne widing in one depress have on the lag selective of part flows. For the land widing in close, An emission explaining is entitle. For the land widing in close, An emission explaining is entitle flower flow of the contrast, every law incomes kines to the flower. Day send an ensure that is ordinated used on emission and for the public will save insend a public series have the forting. In all flowers have public will save insender, nature and the series, however, the flowers have public will save indeed, nature and the series, however, the contrast waveners show a sprinking send mate. The close and may be seen as character from a series of the pattern, and will at some in transcrive manner, dupting all the lags flower the law.

usion in tonocuru's manes, daupte all of the legal tolent the inlastic or a gener.
Club much bood these wassings and astepped title set an fixed in con-, whose tecomoging live beaking. The industry can put is but tighter and daupet source of the de lann vineous of genation.



Reading Time
TWO SECONDS

accepts from ..., two secretors The Sperry Englan Analyses visualizes secretic agency references on fair in the fair to the construct expect the light engineer our coastine graphible prisons fair to be desired and of the construction of the const

It offermates the LRM engine acceptor before they grow big and came expenner regions, the loss parks of generaled planes and untercopied achiefules.





Mr. F. C. Rasell, President
The F. C. Russell Co. operates a

Brecheraft floet two Bonnata, one 9-place Brecheraft for these paring reasons: "comfort, convenience, consonie, conservation of executive time." This Cleveland company makes all-metal combination windows, all-metal Venetian type searings, and alimital products; has serings, and alimital products; has provided the sering of the serings of the sering o

Visiting jobs in three stores during one day by 4-place Bonanza in not unusual for key mes of Megarup Flotners, bridge and road builders of the Northwest. "Delays from breakdowns are cut to hours by flying our men and parts direct to job." they say. "One superintendent covers several jobs rather than one, as formerly." Economical—operating costs can reach as low as I'p erp reseaseger mile.



'llying jeweler' of Akron, Ohio, get a 300-mile wedding trip in his Bonanza-free. 'Merchandising gold mine,' says Mr. Lowry. 'I use my Bonanza to fly customers to Cleveland wholesale houses for merchandise inspection. Owning this fast, comfortable Bonanza pays off!"

#### Apply Bonanza Transportation to your business

Want to put to profitable use the time you ordinarily waste in business travel? Company ownership of the Bonanza lets you do just that. A note my our company letterhead will bring an informative 60-page brochure on "The Air Fleet of American Business." Write today to Beech Aircraft Corporation, Wichita, Kansas, U. S. A. Top speed, 184 mph Cruising speed, 172 mph Ronge, 750 miles

BEECHCRAFT BONANZA

BEECHCRAFTS ARE THE AIR FLEET OF AMERICAN BUSINESS